



Prepared for the Biometric Consortium Conference – Homeland Security Washington, DC

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Success brings new challenges...

As urban
revitalization proved
successful in Tampa,
Ybor City began a
new chapter in it's
long history. New
challenges were
realized by the
Tampa Police
Department.



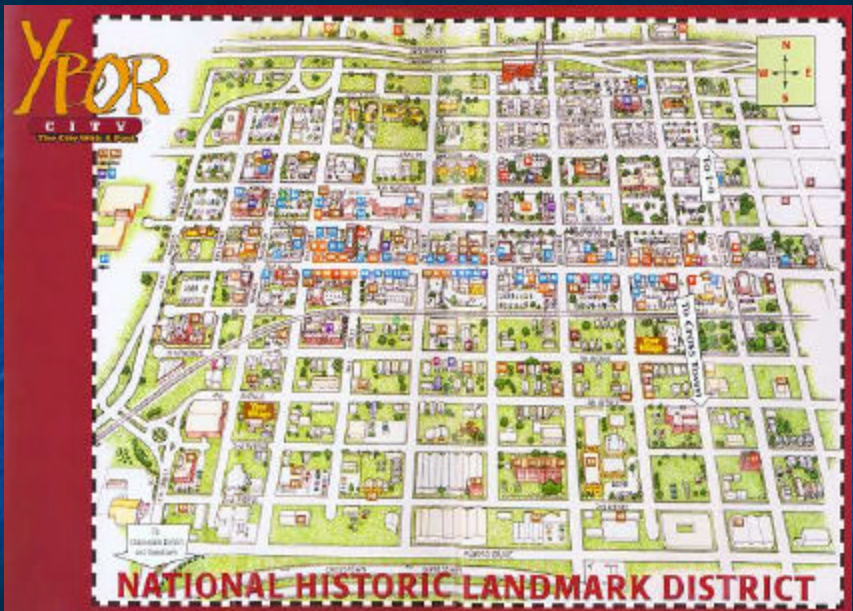
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A little history on Ybor City for perspective...

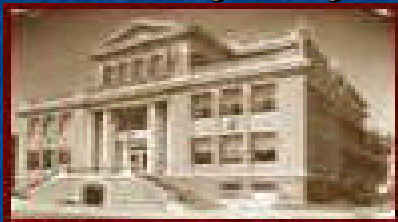


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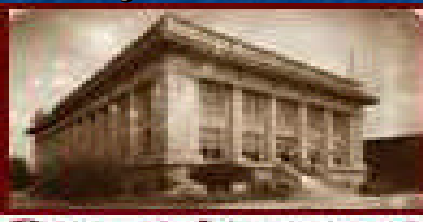


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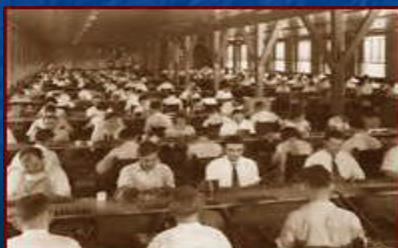
Ybor City of yesterday...



CUBAN CLUB



CENTRO ASTURIANO



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Ybor City, Florida Facts:

- Ybor City is a historic district within the City of Tampa, Florida, which is located on Florida's west coast.
- This community of Tampa was settled in the late nineteenth century by Cuban, German, and Italian immigrants.
- Ybor City is the cigar capital of the United States and was once heavily populated with hand rolled cigar factories.
- Ybor City is a success story for urban revitalization. With this urban revitalization came the new entertainment district.

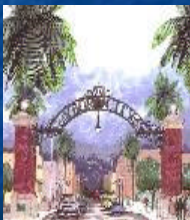


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Entertainment District...

- The entertainment district is contained within the historic Ybor City, which blends historic architecture with a fun filled environment.
- On weekend nights, up to one hundred thousand people visit the entertainment district.
- On weekend nights street closures take place to provide additional room for pedestrian traffic.
- Ybor City's entertainment district attracts visitors from various countries and ethnic groups, different age groups, and cultures who have varied interest.



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Entertainment District Map...



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Ybor City, Florida



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Ybor City 2002



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Recognizing the new specific challenges for police:

- Police were unable to see into the large crowd to observe any situation developing.
- The entertainment district attracted run-a-way juveniles, who easily blend into the large crowd.
- Sizeable crowds attract opportunist criminals such as pick pockets, con artist, etc.
- Individuals are interested in entertainment and less aware of their surroundings.
- Limited effect with traditional crime prevention tools.



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Technology Enhanced Policing



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Technology Deployed to Meet the Challenge...

- The Tampa Police Department deployed technology.
 - In 1997 a CCTV system was installed in Ybor City.
 - 1/01 deployed facial recognition at the Super Bowl and Ybor City.
 - 06/01 deployed facial recognition in Ybor City.
 - 1/02 upgraded facial recognition system in Ybor City.



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TPD Monitoring Station...



Officer Ray Green of the Tampa Police Department observing the visitors to Ybor City utilizing the cameras.



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TYPICAL OPERATIONAL CHALLENGES...

- **Ability to remember a large quantity of unfamiliar faces**
- **Recognition challenges due to superficial changes/aspects of the face**
- **Attention span of operators**
- **CCTV system configuration allows for minimal number of cameras to be viewed at one time**
- **Financial resource requirement for full time surveillance operators**
- **Time required to manually search recorded video**



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Deployment Objectives:

- Enhance the police officers ability to monitor the large crowd.
- Alert the police officer to the presence of certain individuals.
- Provide a proactive response to the presence of these individuals
- Improve the officers efficiency and effectiveness.



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TPD Monitoring Station



- Using the live video cameras a trained police officer monitors the crowd.
- Simultaneously facial recognition software checks for the presence of individuals included in the database.

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Results

WANTED
BY THE FBI



EPPIE VILLAMOR PAREJA

**UNLAWFUL FLIGHT TO AVOID PROSECUTION - GRAND THEFT,
FORGERY**

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Database Issues...

- **Who should be in the database:**
 - Application driven.
- **Sources of information:**
 - Internal data captured.
 - Third party data availability.
- **Database management required to maintain contemporary data.**
- **Database security.**



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Who is included in the Tampa Police Department database?

- Run-a-way juveniles.
- Sexual predators who are currently under court supervision (i.e. house arrest).
- Individuals presently wanted on felony charges.



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Legal Issues...

- Privacy:
 - Expectation of privacy.
 - Fourth Amendment.
- Legal Response to positive hit.
 - Reasonable suspicion
 - Probable cause.
- Court Review
 - Introduction of evidence.



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Privacy...

- The courts have consistently held that there is no expectation of privacy in a public place:
Justice Stewart: "What a person knowingly exposes to the public, even in his own home or office, is not subject to Fourth Amendment protection".
- Plain view doctrine.



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Tampa's Legal Leaders...

- City Attorney's Office
- State Attorney's Office
- Public Defender's Office
- Elected Officials



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Honorable Julian Holt, Public Defender, Thirteenth Judicial Circuit...

This is a public safety issue. There is
no violation of rights.



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Reasonable Suspicion vs. Probable Cause...

- Since the inception of photography it has been deemed reasonable to question someone's identity based on a photograph.
- The Tampa Police Department Standard Operating Procedure states that the confirmation of the alert by a police officer will not be treated as probable cause, but as reasonable suspicion.



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Verification

Q:



=



?

A:

Yes/No?

Confidence Score

Police Officer Verification



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“The Public” ...

- Public Fear:
 - The Unknown
 - Slippery Slope
 - 1984
- Education:
 - Media
 - Public Figures / Legislature
 - New legislation
- Signs alerting use.
 - Overt use also means deterrence.



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CONCLUSION...

Facial recognition provides unique functionality and performance that can:

- **Improve the existing capabilities of a CCTV system**
- **Provide new proactive capabilities**
- **Increase operator efficiency**
- **Provide functionality that could not be duplicated by a human operator**
- **Increased deterrence**



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Thank You!

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